

## APPENDIX 2: Data of EMI test

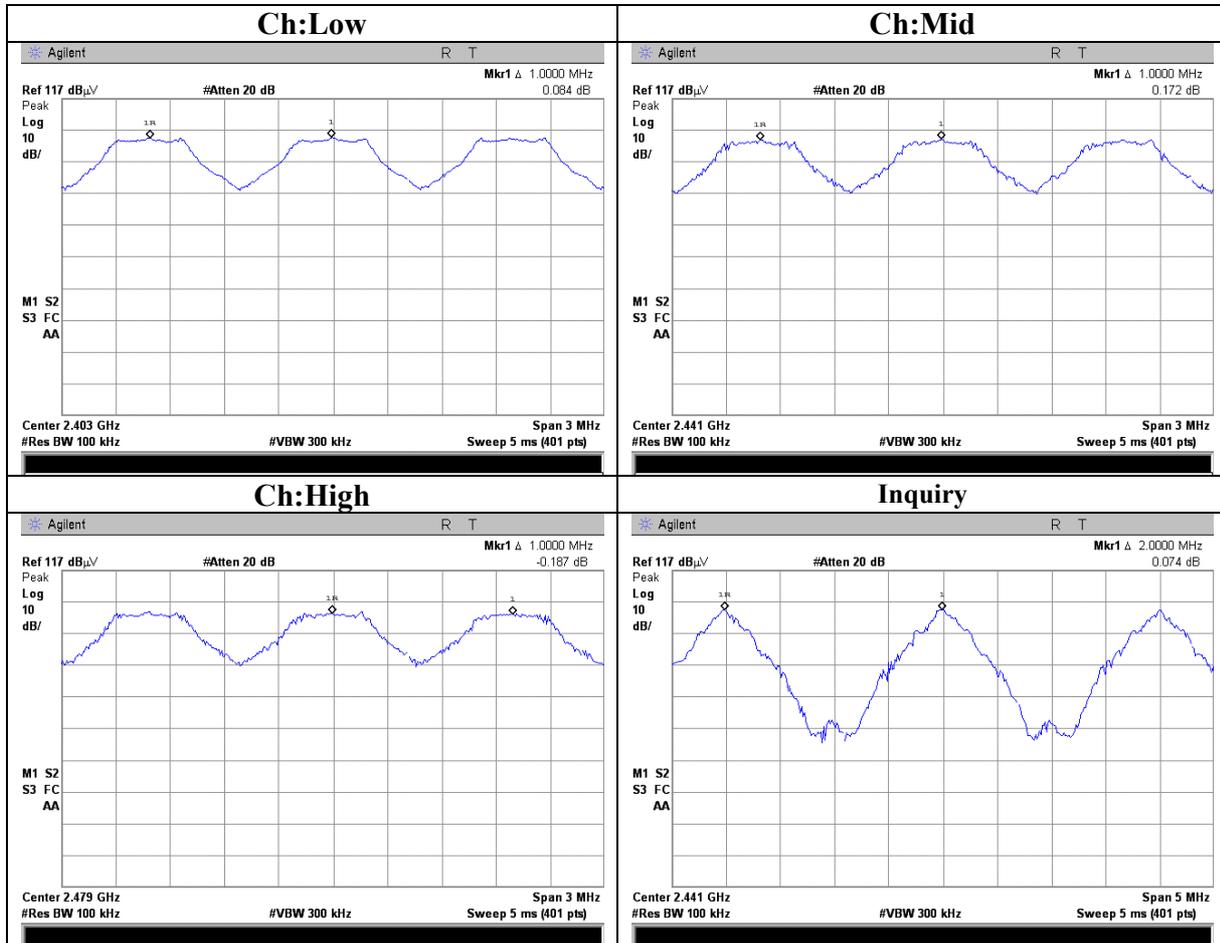
### Carrier Frequency Separation

UL Japan, Inc.  
Head Office EMC Lab. No.7 Shielded Room

COMPANY	: Sony Corporation	REGULATION	: FCC15.247(a)(1)/RSS-210A8.1(b)
EQUIPMENT	: Bluetooth Audio System	TEST DISTANCE	: -
MODEL	: MEX-BT2600	DATE	: 08/21/2007
S/ N	: 11	TEMPERATURE	: 25deg.C
POWER	: DC 12V	HUMIDITY	: 49%
MODE	: Tx(Hopping ON)/Inquiry	ENGINEER	: Hidekazu Tanaka

Ch	Freq. [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.000	>two-thirds of 0.945MHz (20dB Bandwidth) or 25[kHz](whichever is greater)
Mid	2441.0	1.000	>two-thirds of 0.945MHz (20dB Bandwidth) or 25[kHz](whichever is greater)
High	2480.0	1.000	>two-thirds of 0.945MHz (20dB Bandwidth) or 25[kHz](whichever is greater)
Inquiry	2441.0	2.000	>two-thirds of 0.763kHz (20dB Bandwidth) or 25[kHz](whichever is greater)

### Carrier Frequency Separation



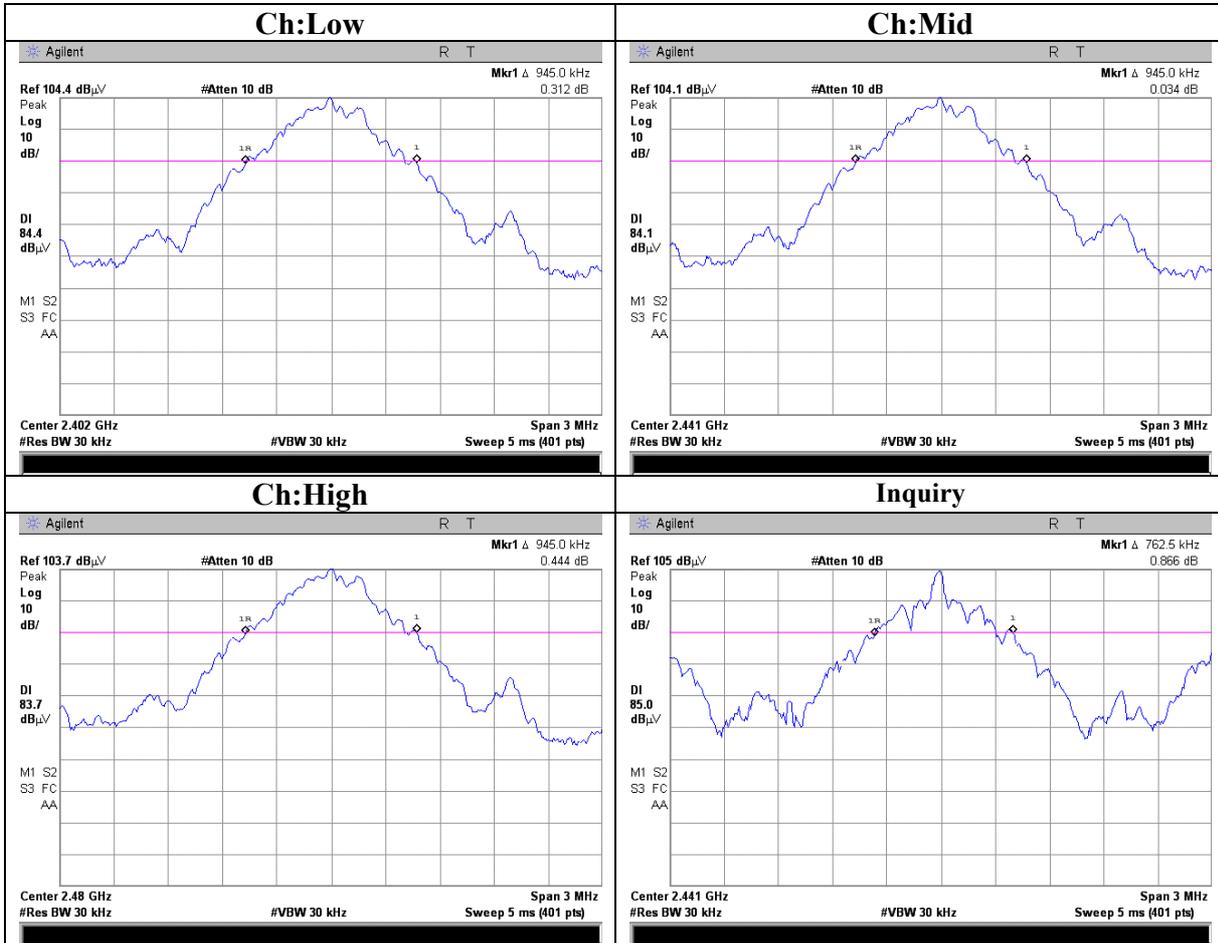
## 20dB Bandwidth

UL Japan, Inc.  
Head Office EMC Lab. No.7 Shielded Room

COMPANY	: Sony Corporation	REGULATION	: FCC15.247(a)(1)/RSS-210A8.1(a)
EQUIPMENT	: Bluetooth Audio System	TEST DISTANCE	: -
MODEL	: MEX-BT2600	DATE	: 08/21/2007
S/N	: 11	TEMPERATURE	: 25deg.C
POWER	: DC 12V	HUMIDITY	: 49%
MODE	: Tx(Hopping Off)/Inquiry	ENGINEER	: Hidekazu Tanaka

Ch	Freq. [MHz]	20dB Bandwidth [MHz]	Limit [MHz]
Low	2402.0	0.945	-
Mid	2441.0	0.945	-
High	2480.0	0.945	-
Inquiry	2441.0	0.763	-

**20dB Bandwidth**



## Number of Hopping Frequency

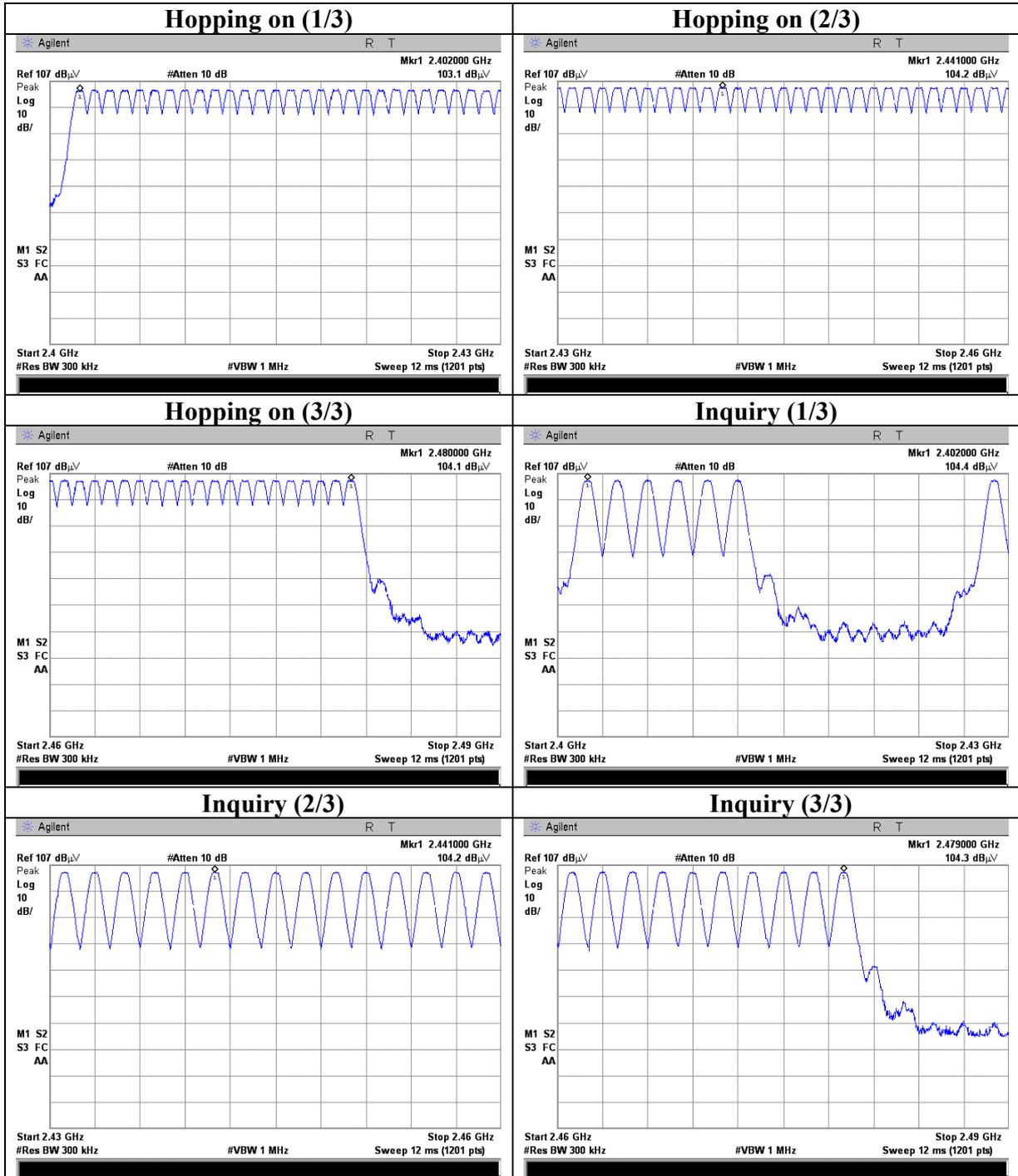
UL Japan, Inc.  
Head Office EMC Lab. No.7 Shielded Room

COMPANY	: Sony Corporation	REGULATION	: FCC15.247(a)(1)(iii)/RSS-210A8.1(d)
EQUIPMENT	: Bluetooth Audio System	TEST DISTANCE	: -
MODEL	: MEX-BT2600	DATE	: 08/21/2007
S/N	: 11	TEMPERATURE	: 25deg.C
POWER	: DC 12V	HUMIDITY	: 49%
MODE	: Tx(Hopping ON)/Inquiry	ENGINEER	: Hidekazu Tanaka

Mode	Number of channel	Limit
	[number]	[time]
Tx(Hopping on)	79	≥15

Mode	Number of channel	Limit
	[number]	[time]
Inquiry	32	≥15

**Number of Hopping Frequency**



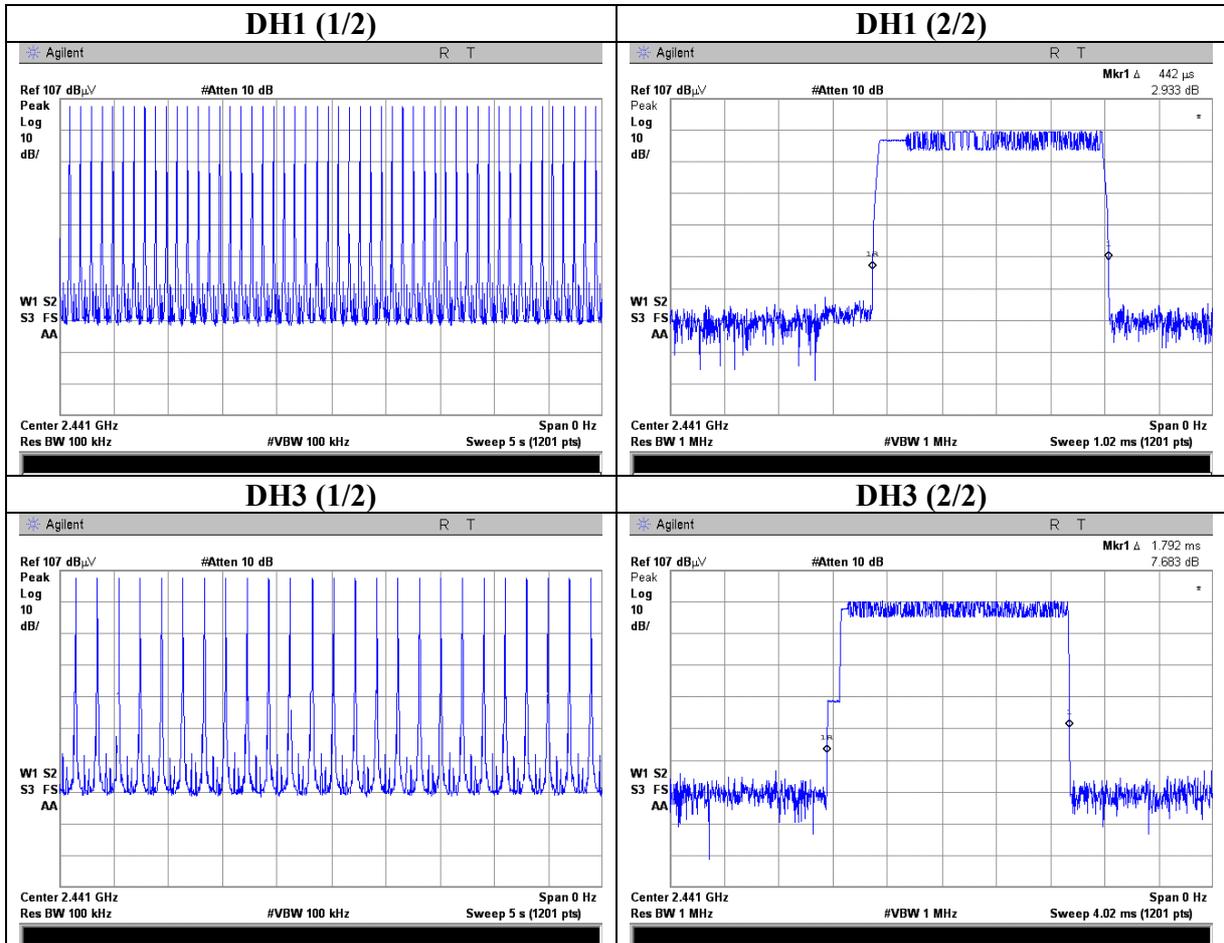
## Dwell time

UL Japan, Inc.  
Head Office EMC Lab. No.7 Shielded Room

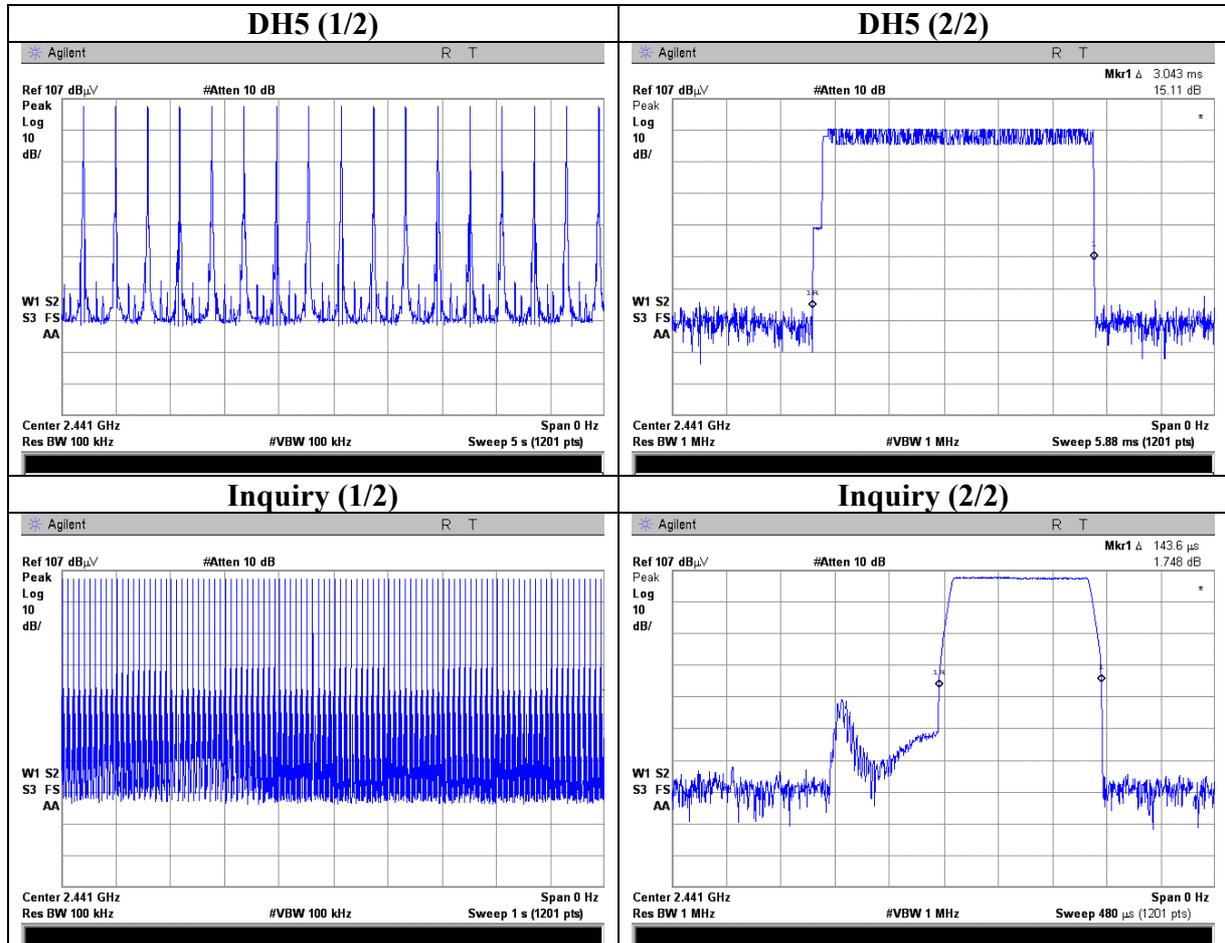
COMPANY	: Sony Corporation	REGULATION	: FCC15.247(a)(1)(iii)/RSS-210A8.1(d)
EQUIPMENT	: Bluetooth Audio System	TEST DISTANCE	: -
MODEL	: MEX-BT2600	DATE	: 08/21/2007
S/ N	: 11	TEMPERATURE	: 25deg.C
POWER	: DC 12V	HUMIDITY	: 49%
MODE	: Tx(Hopping ON)/Inquiry	ENGINEER	: Hidekazu Tanaka

Mode	Number of transmission in a 31.6(79 Hopping x 0.4) / 12.8(32 Hopping x 0.4)second period				Length of transmission time [msec]	Result [msec]	Limit [msec]
DH1	50 times	/	5 sec.	x 31.6 sec. = 316 times	0.442	140	400
DH3	25 times	/	5 sec.	x 31.6 sec. = 158 times	1.792	283	400
DH5	17 times	/	5 sec.	x 31.6 sec. = 108 times	3.043	329	400
Inquiry	100 times	/	1 sec.	x 12.8 sec. = 1280 times	0.144	184	400

**Dwell time**



**Dwell time**



## Maximum Peak Output Power

UL Japan, Inc.  
Head Office EMC Lab. No.7 Shielded Room

COMPANY : Sony Corporation  
EQUIPMENT : Bluetooth Audio System  
MODEL : MEX-BT2600  
S/N : 11  
POWER : DC 12V  
MODE : Tx(Hopping Off)/Inquiry

REGULATION : FCC15.247(b)(1)/RSS-210A8.4(2)  
TEST DISTANCE : -  
DATE : 08/21/2007  
TEMPERATURE : 25deg.C  
HUMIDITY : 49%  
ENGINEER : Hidekazu Tanaka

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2402.0	-2.43	1.25	0.00	-1.18	0.76	20.97	125	22.15
Mid	2441.0	-2.45	1.25	0.00	-1.20	0.76	20.97	125	22.17
High	2480.0	-2.54	1.00	0.00	-1.54	0.70	20.97	125	22.51
Inquiry	2441.0	-2.14	1.25	0.00	-0.89	0.81	20.97	125	21.86

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

\* In the above table, factor 0.00dB represents no use of Atten. and/or Filter.

**Radiated Spurious Emission (below 1GHz)**  
**Tx, Ch. Low**

**DATA OF RADIATED EMISSION TEST**

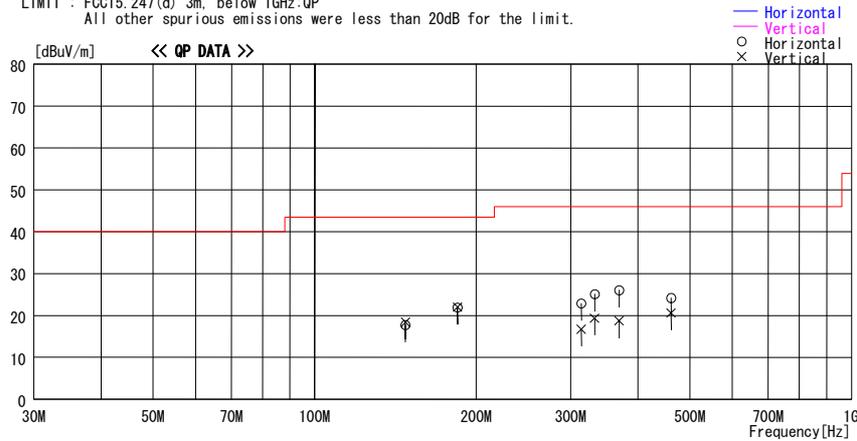
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2007/08/21

Company : Sony Corporation Report No. : 27LE0018-HO  
Kind of EUT : Bluetooth Audio System Power : DC 12V  
Model No. : MEX-BT2600 Temp./Humi. : 25deg. C. / 59%  
Serial No. : 11 Operator : Tomotaka Sasagawa

Mode / Remarks : Tx 2402MHz BT DH5 EUT Normal position

LIMIT : FCC15.247(d) 3m, below 1GHz:QP

All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]							
147.674	26.1	OP	15.0	-23.4	17.7	95	168	Hori.	43.5	25.8	
147.669	26.8	OP	15.0	-23.4	18.4	91	100	Vert.	43.5	25.1	
184.598	28.4	OP	16.5	-23.0	21.9	231	234	Hori.	43.5	21.6	
184.583	28.5	OP	16.5	-23.0	22.0	188	181	Vert.	43.5	21.5	
313.795	30.4	OP	14.5	-22.0	22.9	118	100	Hori.	46.0	23.1	
313.803	24.2	OP	14.5	-22.0	16.7	290	100	Vert.	46.0	29.3	
332.267	31.8	OP	15.2	-21.9	25.1	313	100	Hori.	46.0	20.9	
332.262	26.1	OP	15.2	-21.9	19.4	163	154	Vert.	46.0	26.6	
369.170	31.2	OP	16.4	-21.6	26.0	313	100	Hori.	46.0	20.0	
369.158	23.9	OP	16.4	-21.6	18.7	47	143	Vert.	46.0	27.3	
461.482	23.6	OP	18.0	-21.0	20.6	85	219	Vert.	46.0	25.4	
461.465	27.2	OP	18.0	-21.0	24.2	239	100	Hori.	46.0	21.8	

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz--: HORN  
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

\* The test result is round off to one or two decimal place, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**Tx, Ch. Mid**

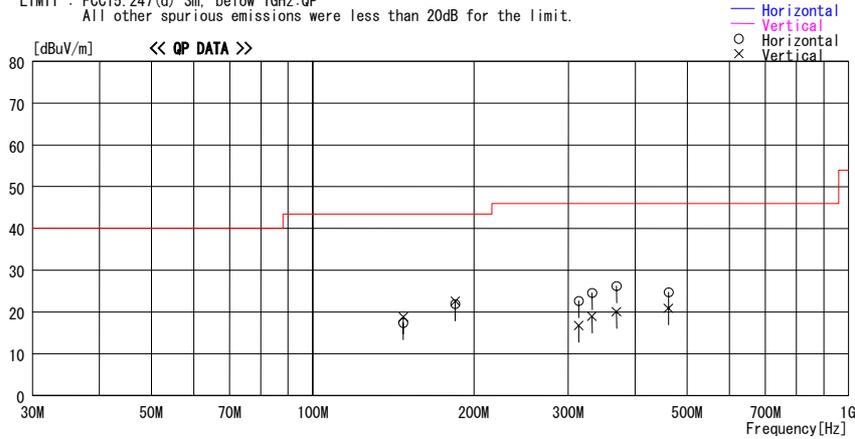
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2007/08/21

Company : Sony Corporation  
Kind of EUT : Bluetooth Audio System  
Model No. : MEX-BT2600  
Serial No. : 11  
Report No. : 27LE0018-H0  
Power : DC 12V  
Temp./Humi. : 25deg. C. / 59%  
Operator : Tomotaka Sasagawa

Mode / Remarks : Tx 2441MHz BT DH5 EUT Normal position

LIMIT : FCC15.247(d) 3m, below 1GHz:QP  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]							
147.684	25.8	OP	15.0	-23.4	17.4	194	321	Hori.	43.5	26.1	
147.684	27.2	OP	15.0	-23.4	18.8	68	100	Vert.	43.5	24.7	
184.584	28.4	OP	16.5	-23.0	21.9	252	198	Hori.	43.5	21.6	
184.599	29.1	OP	16.5	-23.0	22.6	184	203	Vert.	43.5	20.9	
313.806	30.1	OP	14.5	-22.0	22.6	113	100	Hori.	46.0	23.4	
313.816	24.3	OP	14.5	-22.0	16.8	287	100	Vert.	46.0	29.2	
332.256	31.3	OP	15.2	-21.9	24.6	322	100	Hori.	46.0	21.4	
332.281	25.7	OP	15.2	-21.9	19.0	174	153	Vert.	46.0	27.0	
369.174	25.3	OP	16.4	-21.6	20.1	51	139	Vert.	46.0	25.9	
369.184	31.4	OP	16.4	-21.6	26.2	310	100	Hori.	46.0	19.8	
461.481	27.7	OP	18.0	-21.0	24.7	239	100	Hori.	46.0	21.3	
461.467	23.9	OP	18.0	-21.0	20.9	87	180	Vert.	46.0	25.1	

CHART:WITH FACTOR ANT TYPE: -30MHz:LOOP, 30-300MHz:BICONICAL, 300MHz-1000MHz:LOGPERIODIC, 1000MHz--:HORN  
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

\* The test result is round off to one or two decimal place, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**Tx, Ch. High**

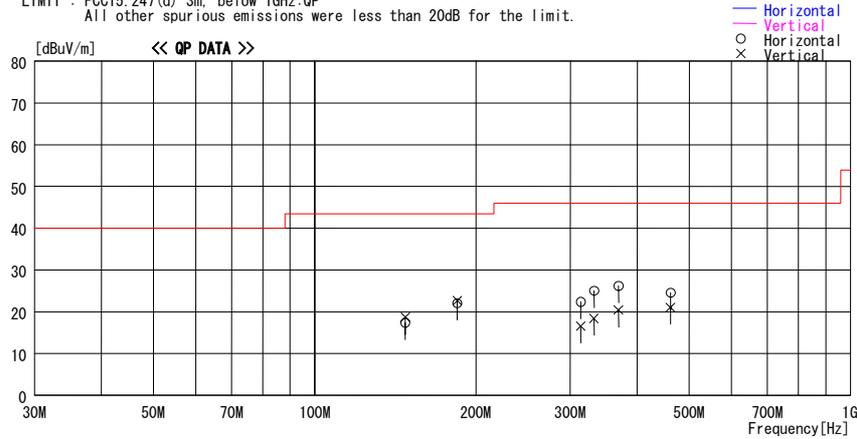
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2007/08/21

Company : Sony Corporation  
Kind of EUT : Bluetooth Audio System  
Model No. : MEX-BT2600  
Serial No. : 11  
Report No. : 27LE0018-HO  
Power : DC 12V  
Temp./Humi. : 25deg. C. / 59%  
Operator : Tomotaka Sasagawa

Mode / Remarks : Tx 2480MHz BT DH5 EUT Normal position

LIMIT : FCC15.247(d) 3m. below 1GHz:QP  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]							
147.668	25.8	QP	15.0	-23.4	17.4	195	323	Hori.	43.5	26.1	
147.675	27.1	QP	15.0	-23.4	18.7	71	100	Vert.	43.5	24.8	
184.599	28.6	QP	16.5	-23.0	22.1	251	197	Hori.	43.5	21.4	
184.594	29.2	QP	16.5	-23.0	22.7	182	201	Vert.	43.5	20.8	
313.809	29.9	QP	14.5	-22.0	22.4	259	100	Hori.	46.0	23.6	
313.807	24.1	QP	14.5	-22.0	16.6	287	100	Vert.	46.0	29.4	
332.269	31.8	QP	15.2	-21.9	25.1	253	100	Hori.	46.0	20.9	
332.285	25.1	QP	15.2	-21.9	18.4	185	155	Vert.	46.0	27.6	
369.184	31.4	QP	16.4	-21.6	26.2	311	100	Hori.	46.0	19.8	
369.203	25.6	QP	16.4	-21.6	20.4	51	100	Vert.	46.0	25.6	
461.473	24.1	QP	18.0	-21.0	21.1	85	182	Vert.	46.0	24.9	
461.479	27.6	QP	18.0	-21.0	24.6	239	100	Hori.	46.0	21.4	

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN  
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

\* The test result is round off to one or two decimal place, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**Rx, Ch. Mid**

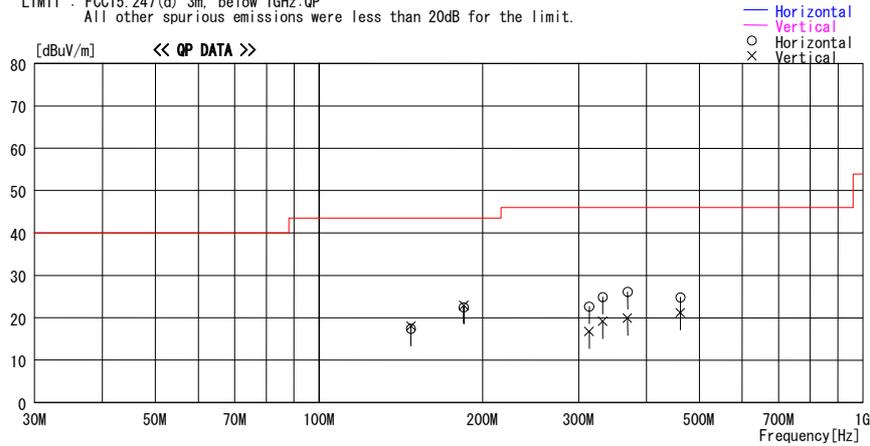
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2007/08/21

Company : Sony Corporation  
Kind of EUT : Bluetooth Audio System  
Model No. : MEX-BT2600  
Serial No. : 11  
Report No. : 27LE0018-H0  
Power : DC 12V  
Temp./Humi. : 25deg. C. / 59%  
Operator : Tomotaka Sasagawa

Mode / Remarks : Rx 2441MHz BT DH5 EUT Normal position

LIMIT : FCC15.247(d) 3m. below 1GHz:QP  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss& Gain [dB]							
147.676	25.8	QP	15.0	-23.4	17.4	95	167	Hori.	43.5	26.1	
147.683	26.5	QP	15.0	-23.4	18.1	72	100	Vert.	43.5	25.4	
184.597	29.0	QP	16.5	-23.0	22.5	251	197	Hori.	43.5	21.0	
184.614	29.4	QP	16.5	-23.0	22.9	181	141	Vert.	43.5	20.6	
313.804	30.1	QP	14.5	-22.0	22.6	256	100	Hori.	46.0	23.4	
313.821	24.3	QP	14.5	-22.0	16.8	284	100	Vert.	46.0	29.2	
332.254	25.9	QP	15.2	-21.9	19.2	342	155	Vert.	46.0	26.8	
332.259	31.6	QP	15.2	-21.9	24.9	251	100	Hori.	46.0	21.1	
369.181	25.1	QP	16.4	-21.6	19.9	50	100	Vert.	46.0	26.1	
369.196	31.3	QP	16.4	-21.6	26.1	311	100	Hori.	46.0	19.9	
461.473	27.8	QP	18.0	-21.0	24.8	238	100	Hori.	46.0	21.2	
461.475	24.2	QP	18.0	-21.0	21.2	84	185	Vert.	46.0	24.8	

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN  
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

\* The test result is round off to one or two decimal place, so some differences might be observed.

**Radiated Spurious Emission (above 1GHz)**  
**Tx, Ch. Low**

UL Japan, Inc.  
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	Sony Corporation	Regulation	FCC15.247(d) / RSS-210 A8.5
Equipment	Bluetooth Audio System	Test Distance	3m / 1m
Model	MEX-BT2600	Date	8/22/2007
S/N	11	Temperature	24 deg.C.
Power	DC 12V	Humidity	59 %
Mode	Tx 2402MHz DH5	Engineer	Tomotaka Sasagawa
EUT-Position	Normal Position		

**PK DETECT** (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit PK [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1601.98	46.7	51.6	26.0	32.5	2.3	0.0	42.5	47.4	73.9	31.4	26.5
2	2390.00	44.5	43.4	27.3	31.5	3.0	0.0	43.3	42.2	73.9	30.6	31.7
3*	2400.00	65.6	67.8	27.3	31.5	3.0	0.0	64.4	66.6	73.9	-	-
4	4804.00	40.4	39.9	31.5	30.8	3.9	0.8	45.8	45.3	73.9	28.1	28.6
5	7206.00	42.0	41.7	35.8	31.3	4.5	0.5	51.5	51.2	73.9	22.4	22.7
6	9608.00	43.4	42.9	38.2	31.9	5.4	0.5	55.6	55.1	73.9	18.3	18.8
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
7	12010.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	14412.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	16814.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	19216.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	21618.00	NS	NS	-	-	-	-	-	-	73.9	-	-
12	24020.00	46.6	46.3	38.7	30.5	9.3	0.0	54.6	54.3	73.9	19.3	19.6

\* Reference data

**AV DETECT** (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit AV [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1601.98	38.8	48.2	26.0	32.5	2.3	0.0	34.6	44.0	53.9	19.3	9.9
2	2390.00	33.4	33.3	27.3	31.5	3.0	0.0	32.2	32.1	53.9	21.7	21.8
3*	2400.00	56.6	58.2	27.3	31.5	3.0	0.0	55.4	57.0	53.9	-	-
4	4804.00	28.2	28.1	31.5	30.8	3.9	0.8	33.6	33.5	53.9	20.3	20.4
5	7206.00	29.8	29.6	35.8	31.3	4.5	0.5	39.3	39.1	53.9	14.6	14.8
6	9608.00	30.9	31.0	38.2	31.9	5.4	0.5	43.1	43.2	53.9	10.8	10.7
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
7	12010.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	14412.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	16814.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	19216.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	21618.00	NS	NS	-	-	-	-	-	-	53.9	-	-
12	24020.00	35.1	35.1	38.7	30.5	9.3	0.0	43.1	43.1	53.9	10.8	10.8

\* Reference data

**20dBc (Fundamental) 2402 MHz** (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit 20dBc [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
0	2402.00	89.2	91.2	27.3	31.5	3.0	0.0	78.5	80.5	-	-	-
3	2400.00	48.2	50.5	27.3	31.5	3.0	0.0	37.5	39.8	Funda-20dB	21.0	20.7

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB

\*Except for the above table : All other spurious emissions were less than 20dB for the limit.

\*The limit is rounded down to one decimal place.

\*The test result is round off to one or two decimal places, so some differences might be observed.

\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

\*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

\*NS: Non Signal

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**Radiated Spurious Emission (above 1GHz)**

**Tx, Ch. Mid**

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	Sony Corporation	Regulation	FCC15.247(d) / RSS-210 A8.5
Equipment	Bluetooth Audio System	Test Distance	3m / 1m
Model	MEX-BT2600	Date	8/22/2007
S/N	11	Temperature	24 deg.C.
Power	DC 12V	Humidity	59 %
Mode	Tx 2441MHz DH5	Engineer	Tomotaka Sasagawa
EUT-Position	Normal Position		

PK DETECT (RBW: 1MHz, VBW: 1MHz)												
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1628.04	46.9	51.8	26.1	32.4	2.3	0.0	42.9	47.8	73.9	31.0	26.1
2	4882.00	40.0	39.7	31.7	30.7	3.9	0.7	45.6	45.3	73.9	28.3	28.6
3	7323.00	41.1	41.2	35.9	31.3	4.6	0.5	50.8	50.9	73.9	23.1	23.0
4	9764.00	42.3	42.0	38.2	32.1	5.4	0.4	54.2	53.9	73.9	19.7	20.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12205.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	14646.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	17087.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	19528.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	21969.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	24410.00	45.3	45.9	38.8	30.3	9.4	0.0	53.7	54.3	73.9	20.2	19.6
AV DETECT (RBW: 1MHz, VBW: 10Hz)												
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1628.04	40.3	48.4	26.1	32.4	2.3	0.0	36.3	44.4	53.9	17.6	9.5
2	4882.00	27.8	28.0	31.7	30.7	3.9	0.7	33.4	33.6	53.9	20.5	20.3
3	7323.00	29.2	29.3	35.9	31.3	4.6	0.5	38.9	39.0	53.9	15.0	14.9
4	9764.00	30.9	31.0	38.2	32.1	5.4	0.4	42.8	42.9	53.9	11.1	11.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12205.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	14646.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	17087.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	19528.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	21969.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	24410.00	34.0	34.0	38.8	30.3	9.4	0.0	42.4	42.4	53.9	11.5	11.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB  
\*Except for the above table : All other spurious emissions were less than 20dB for the limit.  
\*The limit is rounded down to one decimal place.  
\*The test result is round off to one or two decimal places, so some differences might be observed.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.  
\*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.  
\*NS: Non Signal

**Radiated Spurious Emission (above 1GHz)**

**Tx, Ch. High**

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	Sony Corporation	Regulation	FCC15.247(d) / RSS-210 A8.5
Equipment	Bluetooth Audio System	Test Distance	3m / 1m
Model	MEX-BT2600	Date	8/22/2007
S/N	11	Temperature	24 deg.C.
Power	DC 12V	Humidity	59 %
Mode	Tx 2480MHz DH5	Engineer	Tomotaka Sasagawa
EUT-Position	Normal Position		

**PK DETECT** (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit PK [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1654.00	49.0	53.6	26.1	32.4	2.4	0.0	45.1	49.7	73.9	28.8	24.2
2	2483.50	54.8	51.8	27.4	31.5	3.1	0.0	53.8	50.8	73.9	20.1	23.1
3	4960.00	40.6	40.1	31.8	30.7	4.7	0.7	47.1	46.6	73.9	26.8	27.3
4	7440.00	42.1	42.6	36.1	31.3	4.7	0.6	52.2	52.7	73.9	21.7	21.2
5	9920.00	43.4	43.6	38.2	32.2	5.4	0.3	55.1	55.3	73.9	18.8	18.6
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
6	12400.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	14880.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	17360.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	19840.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	22320.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	24800.00	44.9	45.0	38.9	30.1	9.4	0.0	53.6	53.7	73.9	20.3	20.2

**AV DETECT** (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit AV [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1654.00	43.5	50.7	26.1	32.4	2.4	0.0	39.6	46.8	53.9	14.3	7.1
2	2483.50	47.4	44.9	27.4	31.5	3.1	0.0	46.4	43.9	53.9	7.5	10.0
3	4960.00	28.3	28.2	31.8	30.7	4.7	0.7	34.8	34.7	53.9	19.1	19.2
4	7440.00	29.8	29.9	36.1	31.3	4.7	0.6	39.9	40.0	53.9	14.0	13.9
5	9920.00	31.3	31.3	38.2	32.2	5.4	0.3	43.0	43.0	53.9	10.9	10.9
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
6	12400.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	14880.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	17360.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	19840.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	22320.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	24800.00	33.7	33.7	38.9	30.1	9.4	0.0	42.4	42.4	53.9	11.5	11.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB  
\*Except for the above table : All other spurious emissions were less than 20dB for the limit.  
\*The limit is rounded down to one decimal place.  
\*The test result is round off to one or two decimal places, so some differences might be observed.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.  
\*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.  
\*NS: Non Signal

**Radiated Spurious Emission (above 1GHz)**  
**Rx, Ch. Mid**

UL Japan, Inc.  
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	Sony Corporation	Regulation	FCC15.247(d) / RSS-210 A8.5
Equipment	Bluetooth Audio System	Test Distance	3m
Model	MEX-BT2600	Date	8/21/2007
S/N	11	Temperature	25 deg.C.
Power	DC 12V	Humidity	59 %
Mode	Rx 2441MHz DH5	Engineer	Tomotaka Sasagawa
EUT-Position	Normal Position		

**PK DETECT (Reference data)** (RBW: 1MHz, VBW: 1MHz)

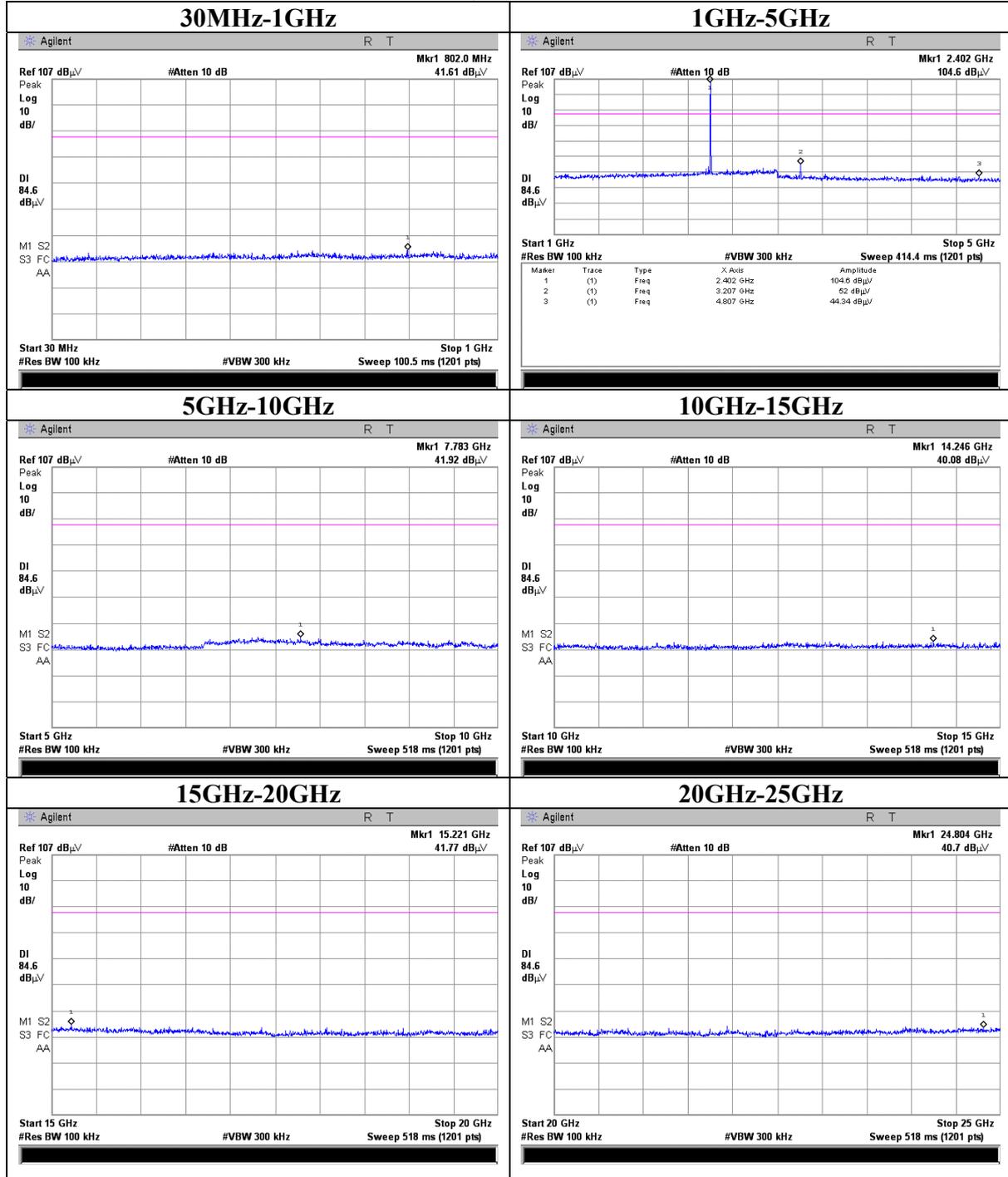
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1626.33	48.8	52.3	26.1	32.4	2.3	0.0	44.8	48.3	73.9	29.1	25.6
2	2439.50	41.8	42.6	27.4	31.5	3.1	0.0	40.8	41.6	73.9	33.1	32.3
3	3252.60	41.8	41.7	28.6	31.2	3.4	0.0	42.6	42.5	73.9	31.3	31.4

**AV DETECT** (RBW: 1MHz, VBW: 10Hz)

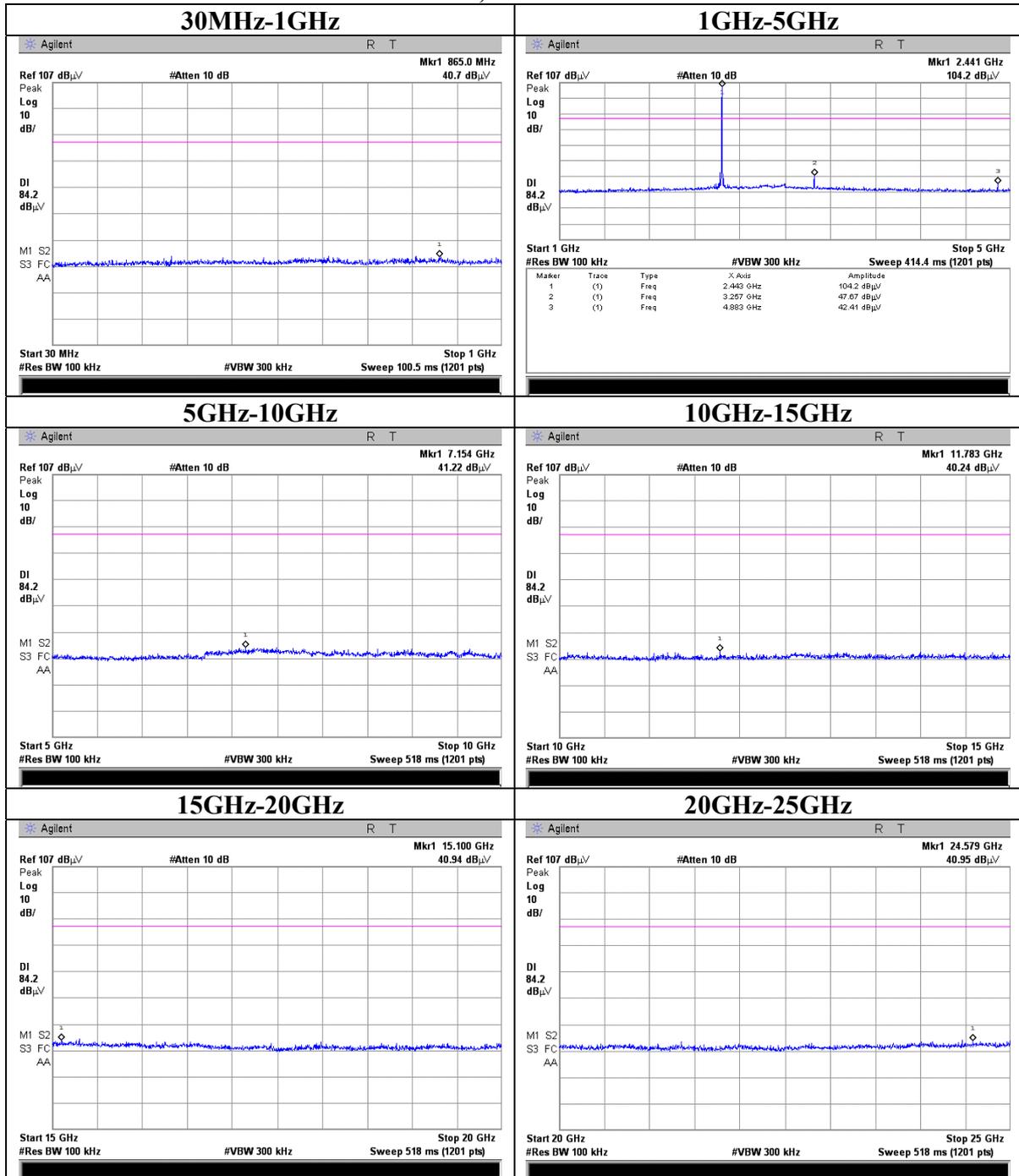
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1626.33	44.1	49.0	26.1	32.4	2.3	0.0	40.1	45.0	53.9	13.8	8.9
2	2439.50	29.6	30.2	27.4	31.5	3.1	0.0	28.6	29.2	53.9	25.3	24.7
3	3252.60	29.6	29.7	28.6	31.2	3.4	0.0	30.4	30.5	53.9	23.5	23.4

\*Except for the above table : All other spurious emissions were less than 20dB for the limit.  
\*The limit is rounded down to one decimal place.  
\*The test result is round off to one or two decimal places, so some differences might be observed.  
\*Hi-Pass Filter was not used for factor 0.0dB of the above table.

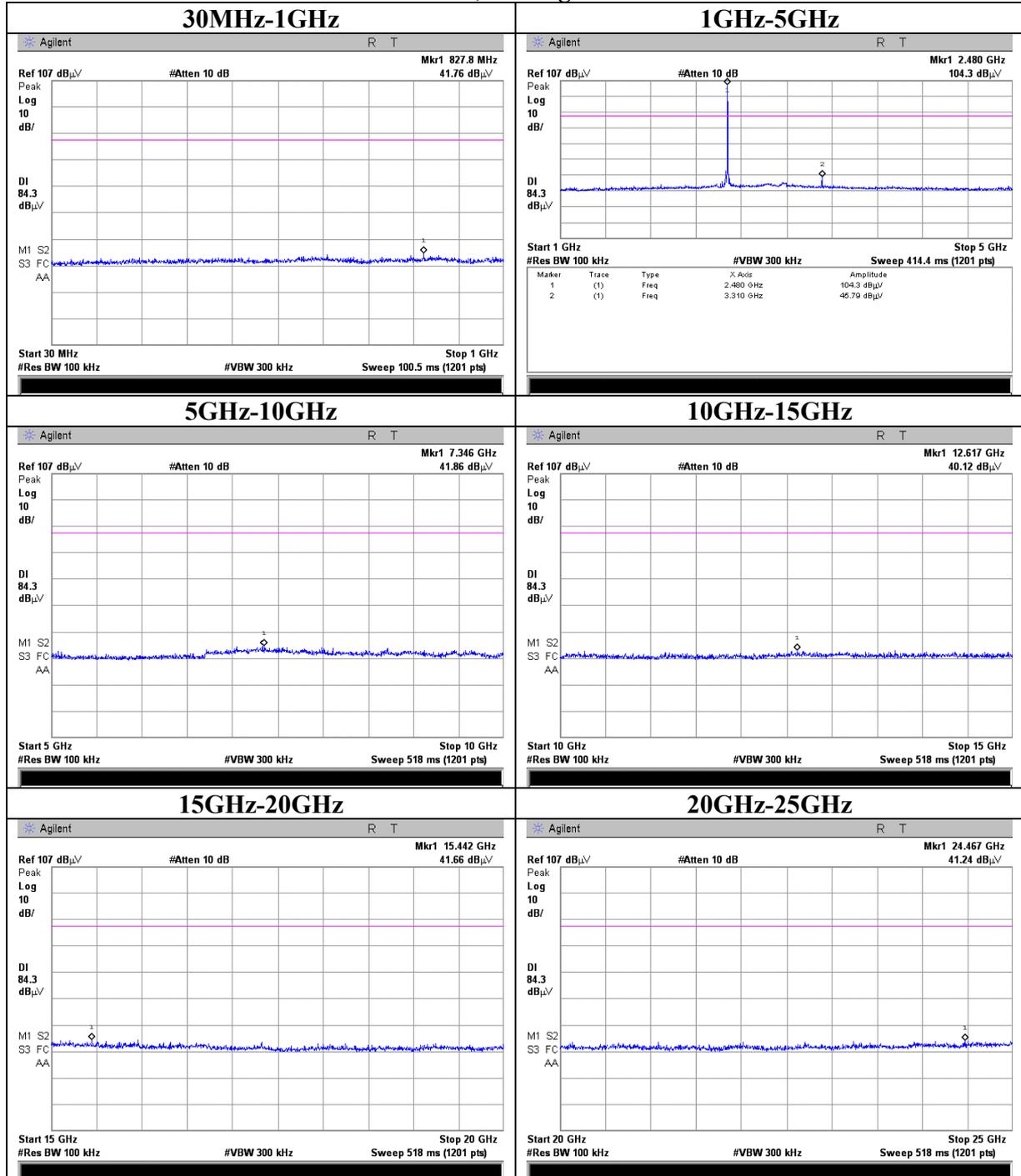
**Conducted Spurious Emission**  
**Tx, Ch:Low**



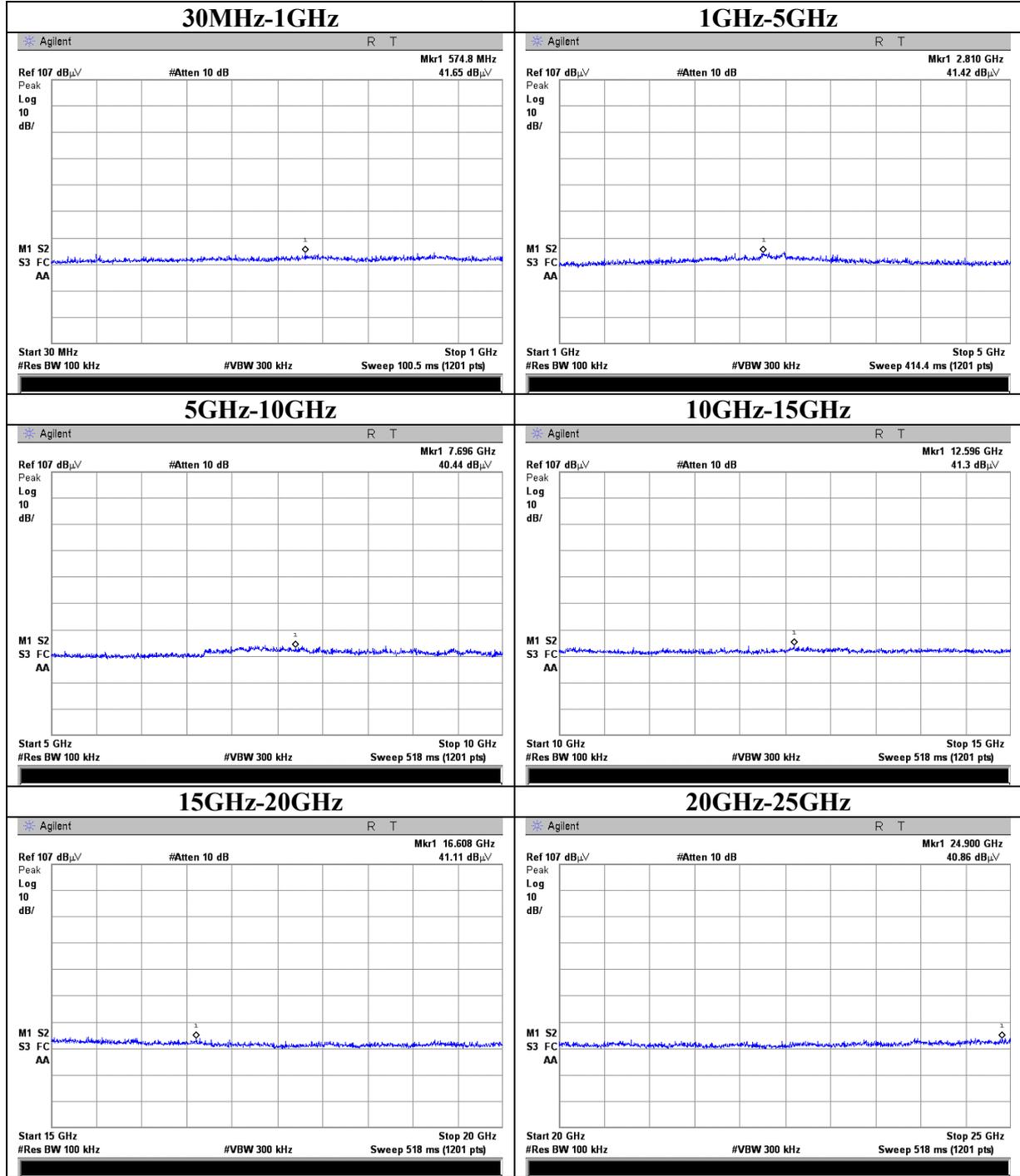
**Conducted Spurious Emission**  
**Tx, Ch:Mid**



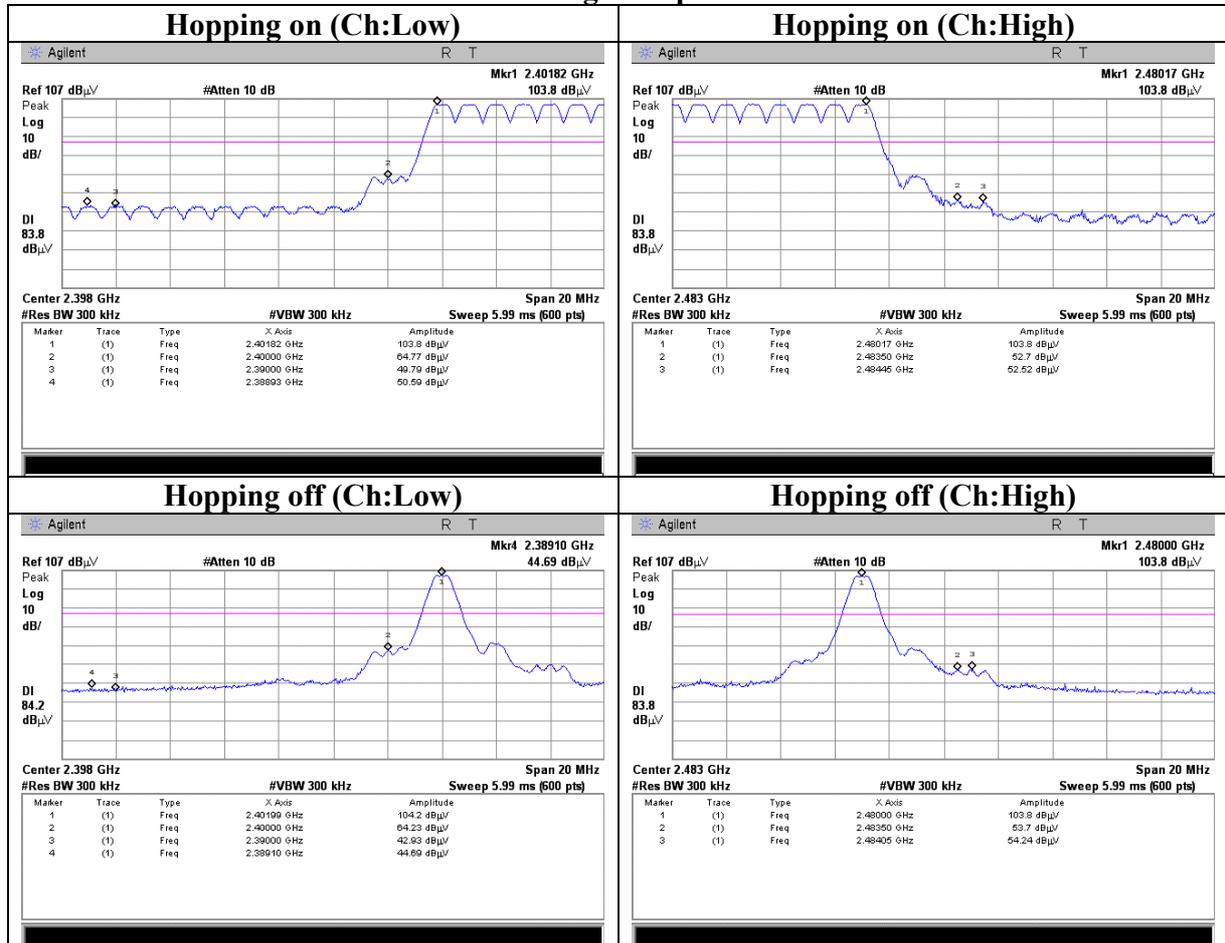
**Conducted Spurious Emission**  
**Tx, Ch:High**



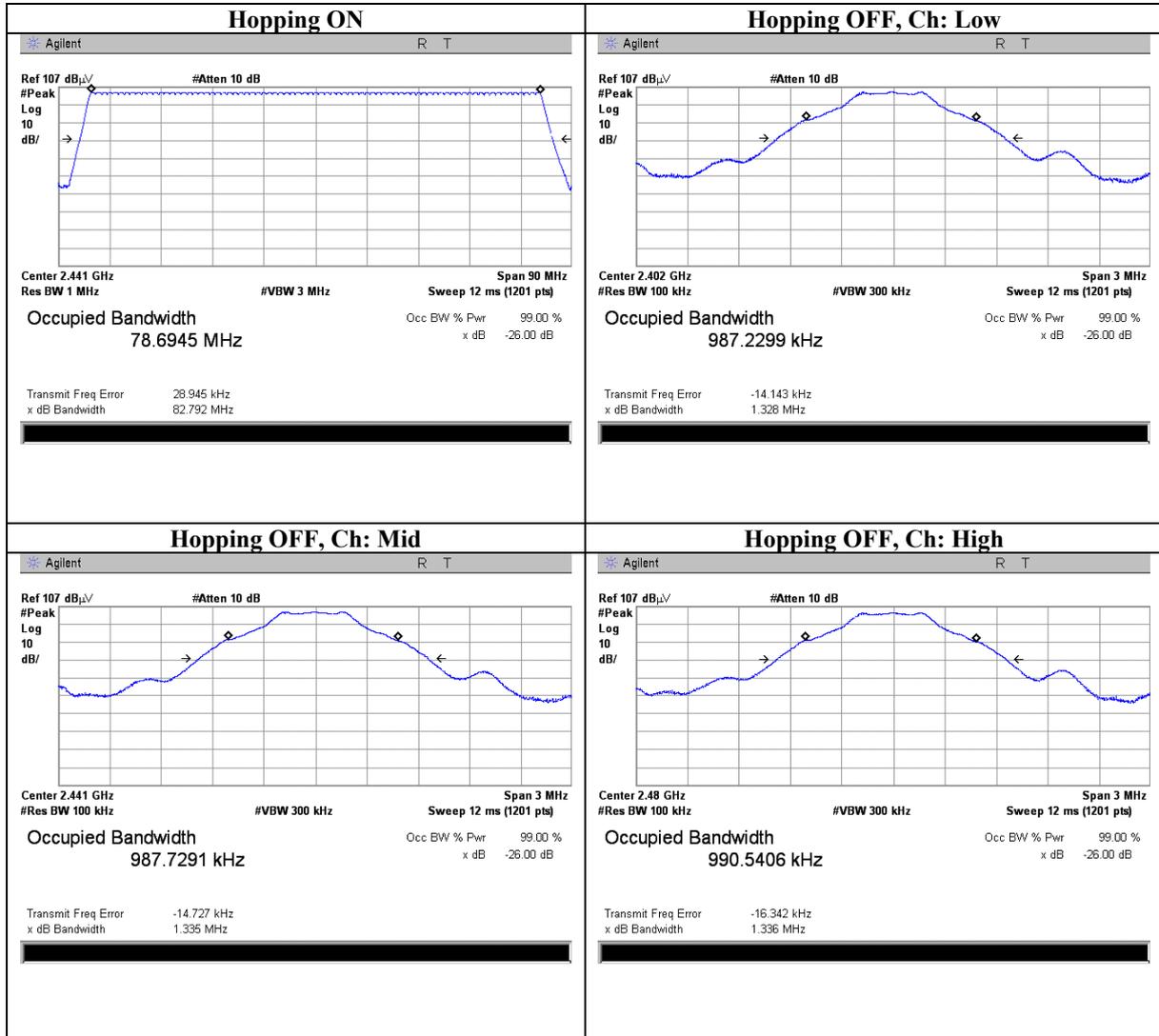
**Conducted Spurious Emission**  
**Rx, Ch:Mid**



### Conducted Spurious Emission Band Edge compliance



### 99% Occupied Bandwidth



\*Refer to 20dB Bandwidth for 99% Bandwidth inquiry mode

### **APPENDIX 3:Test instruments**

#### **EMI test equipment**

<b>Control No.</b>	<b>Instrument</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Test Item</b>	<b>Calibration Date * Interval(month)</b>
MOS-04	Digital Humidity Indicator	N.T	NT-1800	AT	2006/11/27 * 12
MSA-06	Spectrum Analyzer	Agilent	E4407B	AT	2007/04/10 * 12
MCC-26	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	AT	
MPM-09	Power Meter	Anritsu	ML2495A	AT	2006/09/20 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2006/09/20 * 12
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2007/03/05 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/01/19 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/01/19 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2007/04/14 * 12
MCC-51	Coaxial cable	UL Japan	-	RE	2007/07/26 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/03/29 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2007/03/02 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2007/03/16 * 12
MSA-09	Spectrum Analyzer	Advantest	R3273	RE	2006/12/08 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	RE	2007/02/03 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	RE	2007/03/05 * 12
MOS-12	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MBM-07	Barometer	SATO	Aneroid(7610-20)	RE	2006/06/02 * 36
MJM-06	Measure	PROMART	SEN1955	RE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE	-
MHA-16	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	RE	2007/04/06 * 12
MHF-12	High Pass Filter 3.5-18GHz	TOKIMEC	TF323DCA	RE	2006/12/18 * 12

**The expiration date of the calibration is the end of the expired month.**

**All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.**

**Test Item: RE: Radiated Emission**

**AT: Antenna Terminal Conducted test**

**UL Japan, Inc.**

**Head Office EMC Lab.**

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